



Managed by Brookhaven Science Associates
for the U.S. Department of Energy

June 10, 2003

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Drinking Water Supply Section
220 Rabro Drive East
Hauppauge, New York 11788

Dear Ms. Kathleen Newcomer:

Subject: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for May 2003

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2003 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational and Bacteriological Reports for May.
- Attachment II: May 2003 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and the BNL Distribution System.
- Attachment III: 2003 First and Second Quarter Radiological Reports for the BNL Potable Water Wells.
- Attachment IV: 2003 Second Quarter Principal Organic Compound Analyses for the Potable Water Wells.

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). However, elevated Ra-226 concentrations (60.9 pCi/L, 79.7 % error) were noted in the sample collected from potable well #12 on January 10. The well was resampled on January 27 and the analysis resulted in no detection of Ra-226. Collection and analysis of these samples are



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Registration Accreditation Board

performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee at (631) 344-3148, M. Allocco at (631) 344-3166, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

Attachments: As noted

cc:	M. Allocco	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo, SCDHS	w/o attachments
	L. Ross	w/o attachments
	J. Tarpinian	w/o attachments

File: EC61ER.03

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Operational and Bacteriological Reports for May 2003
for the BNL Potable Water System**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: MAY 2003
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LOCATION: **Water Treatment Facility**

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 12852982
	Treated Water K Gal's	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	617	195	5	0.78	7.6	12853599	
2	767	190	5	1.2	7.7	12854366	
3	0						
4	0						
5	2,071	170	20	1.02	7.7	12856437	
6	597	160	10	1.06	7.7	12857034	
7	1,047	150	10	0.73	7.5	12858081	
8	1,060	140+60	10	0.73	7.4	12859141	
9	1,065	195	5	0.78	7.5	12860206	
10	0						
11	0						
12	3,213	168	27	1	7.5	12863419	
13	1,033	154	14	0.72	7.5	12864452	
14	1,045	143	11	0.5	7.4	12865497	
15	1,077	132+68	11	1	7.4	12866574	
16	1,068	191	9	1.2	7.4	12867642	
17	0						
18	0						
19	3,111	170	21	1.1	7.4	12870753	
20	1,037	160	10	0.72	7.3	12871790	
21	1,061	150	10	0.86	7.4	12872851	
22	1,072	140+60	10	1	7.4	12873923	
23	958	190	10	0.8	7.4	12874881	
24	1,151	182	8	1	7.7	12876032	
25	0						
26	0						
27	3,213	155	27	0.95	7.8	12879245	
28	1,066	145	10	0.74	7.4	12880311	
29	1,147	135	10	1	7.4	12881458	
30	1,022	125	10	1.1	7.7	12882480	
31	0						
TOT	29,498		263				
AVG.	951.55		8.48	No. Days:	31		

Population Served 3,500

Number of routine samples 4
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: J. J. [Signature]

Date: 6-7-03

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MAY 2003

LOCATION: WELL NO. 4

Did an emergency occur in any part of the water system? YES _____ NO X

Source: Ground Water

Does the system have a chlorination waiver? YES _____ NO X

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 1562786
	Treated Water k Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	___ Lime	Totalizer	
		Gallons	Cl2 use per 24hrs		___ Sodium Hydroxide		
1	125	138	0	0.16	6	1562911	
2	156	138+12	0	0.24	6	1563097	
3	0						
4	0						
5	136	150	0	0.49	6.1	1563233	
6	43	150	0	0.45	6	1563276	
7	105	141	9	0.42	6	1563381	
8	162	141	0	0.19	5.9	1563543	
9	268	135	6	0.4	5.9	1563811	
10	0						
11	0						
12	263	132	3	0.03	6	1564074	
13	299	129	3	0.45	6.3	1564373	
14	209	129	0	0.62	6.1	1564582	
15	329	129	0	0.32	6	1564911	
16	106	126	3	0.93	6.1	1565017	
17	0						
18	0						
19	516	111	15	0.42	6	1565533	
20	251	105	6	0.19	6.1	1565784	
21	171	102	3	0.83	6.1	1565955	
22	180	96	6	0.38	6.1	1566135	
23	170	93	3	0.5	6	1566305	
24	155	84	9	0.01	6.1	1566460	
25	0						
26	0						
27	555	72+21	12	0.31	6.1	1567015	
28	244	93	0	0.66	6.1	1567259	
29	49	93	0	0.02	6.1	1567308	
30	179	87	6	0.58	6	1567487	
31	0						
TOT	4.701		84				
AVG.	151.65		2.71	No. Days:	31		

Population Served 3,500

Number of routine samples

4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples

7

Does a M&AR violation exist?

YES _____ NO X

If yes, check reason's below

___ Actual number of samples lower than required.

___ Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample

___ Failure to analyze repeat samples

Does an MCL violation exist?

YES _____ NO X

If yes, check reason(s) below.

___ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or future) per month.

___ Positive E. Coli result followed by a positive total coliform repeat sample.

___ Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: JCC [Signature]

Title: Water Systems Supervisor

Date: 6-7-03

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

LOCATION: WELL NO. 6

Did an emergency occur in any part of the water system? YES _____ NO X

Source: Ground Water

Does the system have a chlorination waiver? YES _____ NO X

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		Sodium		
1	206	102	6	0.16	6	376133	
2	279	96+54	6	0.24	6	376412	
3	0						
4	0						
5	531	132	18	0.49	6.1	376943	
6	62	129	3	0.45	6	377005	
7	436	117	12	0.42	6	377441	
8	417	108+42	9	0.19	5.9	377858	
9	543	134	16	0.4	5.9	378401	
10	0						
11	0						
12	1,137	105	29	0.03	6	379538	
13	975	78	27	0.45	6.3	380513	
14	584	66	12	0.62	6.1	381097	
15	539	51+99	15	0.32	6	381636	
16	406	135	15	0.93	6.1	382042	
17	0						
18	0						
19	1,307	108	27	0.42	6	383349	
20	483	96	12	0.19	6.1	383832	
21	449	84	12	0.83	6.1	384281	
22	443	72+40	12	0.38	6.1	384724	
23	435	102	10	0.5	6	385159	
24	465	87	15	0.01	6.1	385624	
25	0						
26	0						
27	1,307	57+93	30	0.31	6.1	386931	
28	512	132	18	0.66	6.1	387443	
29	413	121	11	0.02	6.1	387856	
30	518	108	13	0.58	6	388374	
31	0						
TOT	12,447		328				
AVG.	401.52		10.58	No. Days:	31		

Population Served 3,500

Number of routine samples 4
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&R violation exist? YES _____ NO X

If yes, check reason(s) below

____ Actual number of samples fewer than required.

____ Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

____ Failure to analyze repeat samples.

Does an MCL violation exist? YES _____ NO X

If yes, check reason(s) below.

____ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or turb) per month.

____ Positive E. Coli result followed by a positive total coliform repeat sample.

____ Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: Lo Rood

Date: 6-9-03

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: MAY 2003
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LOCATION: WELL NO. 7

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallions	Cl2 use per 24hrs		Sodium Hydroxide	Totalizer	
1	725	120	12	0.16	6	1086352	
2	896	105+45	15	0.24	6	1087248	
3	0						
4	0						
5	2,905	102	48	0.49	6.1	1090153	
6	831	90	12	0.45	6	1090984	
7	1,226	70	21	0.42	6	1092210	
8	1,267	102+48	22	0.19	5.9	1093477	
9	1,154	136	14	0.4	5.9	1094631	
10	0						
11	0						
12	3,689	69	67	0.03	6	1098320	
13	385	66	3	0.45	6.3	1098705	
14	1,064	48	18	0.62	6.1	1099769	
15	1,177	27+123	21	0.32	6	1100946	
16	1,283	132	18	0.93	6	1102229	
17	0						
18	0						
19	3,711	72	60	0.42	6	1105940	
20	1,373	54	18	0.19	6.1	1107313	
21	1,110	36	18	0.83	6.1	1108423	
22	1,245	18+132	18	0.38	6.1	1109668	
23	1,071	135	15	0.5	6	1110739	
24	1,105	120	15	0.01	6.1	1111844	
25	0						
26	0						
27	3,716	81+69	39	0.31	6.1	1115560	
28	1,241	126	24	0.66	6.1	1116801	
29	1,364	104	22	0.02	6.1	1118165	
30	1,227	84	20	0.58	6	1119392	
31	0						
TOT	33,765		520				
AVG.	1089.19		16.77	No. Days:	31		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below:

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or h/urb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: S. C. [Signature]

Date: 6-7-03

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MAY 2003

LOCATION: WELL NO. 10

Did an emergency occur in any part of the water system?

YES NO

Source: Ground Water

Does the system have a chlorination waiver?

YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 764819
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		---	---	
1	0	30	0	NR	NR	764819	
2	0	30	0	NR	NR	764819	
3	0						
4	0						
5	0	30	0	NR	NR	764819	
6	0	30	0	NR	NR	764819	
7	0	30	0	NR	NR	764819	
8	0	30	0	NR	NR	764819	
9	0	30	0	NR	NR	764819	
10	0						
11	0						
12	0	30	0	NR	NR	764819	
13	0	30	0	NR	NR	764819	
14	0	30	0	NR	NR	764819	
15	0	30	0	NR	NR	764819	
16	0	30	0	NR	NR	764819	
17	0						
18	0						
19	0	30	0	NR	NR	764819	
20	0	30	0	NR	NR	764819	
21	0	30	0	NR	NR	764819	
22	0	30	0	NR	NR	764819	
23	0	30	0	NR	NR	764819	
24	0	30	0	NR	NR	764819	
25	0						
26	0						
27	0	30	0	NR	NR	764819	
28	0	30	0	NR	NR	764819	
29	0	30	0	NR	NR	764819	
30	0	30	0	NR	NR	764819	
31	0						
TOT	0		0				
AVG	0.00		0.00	No. Days:	31		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *J. C. Perry*

Date: 6-9-03

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MAY 2003

LOCATION: WELL NO. 11

Did an emergency occur in any part of the water system?

YES NO

Source: Ground Water

Does the system have a chlorination waiver?

YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime	Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs				
1	983	129	9	0.81	6.4	486920	487903
2	1,174	111	9	0.79	6.8	489077	
3	0						
4	0						
5	3,276	84	27	0.52	6.8	492353	
6	937	75	9	0.42	6.8	493290	
7	3	75	0	NR	NR	493293	
8	0	75+75	0	0.5	6.8	493293	
9	0	150	0	0.41	7.2	493293	
10	0						
11	0						
12	31	150	0	NR	NR	493324	
13	252	150	0	0.81	6.4	493576	
14	28	150	0	NR	NR	493604	
15	8	150	0	0.13	6.1	493612	
16	193	144	6	NR	NR	493805	
17	0						
18	0						
19	0	144	0	NR	NR	493805	
20	0	143	1	0.25	6.6	493805	
21	2	143	0	0.58	7	493807	
22	0	143	1	0.35	7.2	493807	
23	0	138	5	NR	NR	493807	
24	0	134	4	0.7	6.9	493807	
25	0						
26	0						
27	0	134	0	0.75	6.5	493807	
28	0	134	0	0.83	6	493807	
29	0	134	0	NR	NR	493807	
30	0	134	0	NR	NR	493807	
31	0						
TOT	6,857		71				
AVG.	222.16		2.29	Net Cl2 use:	3.1		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

___ Actual number of samples fewer than required.

___ Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat or high turbidity sample

___ Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

___ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

___ Positive E. Coli result followed by a positive total coliform repeat sample.

___ Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: JC Ross

Date: 6-9-03

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MAY 2003

LOCATION: WELL NO. 12

Did an emergency occur in any part of the water system?

YES NO

Source: Ground Water

Does the system have a chlorination waiver?

YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 637847
	Treated Water K. Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		Sodium Hydroxide	Totalizer	
1	0	138	0	0.64	6.8	637847	
2	46	138	0	0.65	6.8	637893	
3	0						
4	0						
5	2	135	3	0.66	NR	637895	
6	4	135	0	0.5	7.1	637899	
7	15	132	3	0.78	7.2	637914	
8	526	129	3	0.65	7.4	638440	
9	202	129	0	0.6	7.1	638642	
10	0						
11	0						
12	198	126	3	NR	NR	638840	
13	290	126	0	0.55	7.4	639130	
14	11	123	3	NR	NR	639141	
15	218	123	0	0.6	6.9	639359	
16	104	120	3	NR	NR	639463	
17	0						
18	0						
19	0	123	0	NR	NR	639463	
20	0	123	0	0.73	7.2	639463	
21	277	120	3	0.6	7.6	639740	
22	0	120	0	0.72	7.5	639740	
23	0	120	0	NR	NR	639740	
24	0	120	0	0.56	7.3	639740	
25	0						
26	0						
27	0	120	0	0.98	6.9	639740	
28	0	117	3	1	6.2	639740	
29	0	110	0	NR	NR	639740	
30	651	105	5	0.5	6.4	640391	
31	0						
TOT	2,544		29				
AVG	82.06		0.94	No. Days:	31		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below:

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *J. E. Racy*

Date: 6-9-03

Title: Water Systems Supervisor

Certification No NY0031941

5/30/03
Pump Data

MONTHLY GALLONAGE REPORT
MAY 2003.xls

Date	Well 4	Well 6	Well 7	Well 10	Well 11	Well 12	Daily Total
1	125	206	725	0	983	0	2,039
2	186	279	896	0	1,174	46	2,581
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	136	531	2,905	0	3,276	2	6,850
6	43	62	831	0	937	4	1,877
7	105	436	1,226	0	3	15	1,785
8	162	417	1,267	0	0	526	2,372
9	268	543	1,154	0	0	202	2,167
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	263	1,137	3,689	0	31	198	5,318
13	299	975	385	0	252	290	2,201
14	209	584	1,064	0	28	11	1,896
15	329	539	1,177	0	8	218	2,271
16	106	406	1,283	0	193	104	2,092
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	516	1,307	3,711	0	0	0	5,534
20	251	483	1,373	0	0	0	2,107
21	171	449	1,110	0	2	277	2,009
22	180	443	1,245	0	0	0	1,868
23	170	435	1,071	0	0	0	1,676
24	155	465	1,105	0	0	0	1,725
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	555	1,307	3,716	0	0	0	5,578
28	244	512	1,241	0	0	0	1,997
29	49	413	1,364	0	0	0	1,826
30	179	518	1,227	0	0	651	2,575
31	0	0	0	0	0	0	0
Total	4,701	12,447	33,765	0	6,887	2,544	60,344
		Totalizer	Totalizer		Totalizer	Total(x1,000)	
		This Month	Last Month		Gallons		
	Well 4	1,567,487	1,562,786		4,701		
	Well 6	388,374	375,927		12,447		
	Well 7	1,119,392	1,085,627		33,765		
	Well 10	764,819	764,819		0		
	Well 11	493,807	486,920		6,887		
	Well 12	640,391	637,847		2,544		
AGS Water Supply Meter		467,453	458,954		8499.00		
Medical Reactor - Well 105					0.00		
Biology Building - Well 9		6,751,750	6,743,710		8.04		

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Federal ID 5111891

Collected : 5/8/03 8:25:00 AM

Received : 5/8/03 3:40:00 PM

Collected By : CLIENT

Copy : Original

CC

Lab No. : 0305222-001A

Client ID. : 16029-001

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Point No : 094-273

Location : B-49 Water Tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-CI G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0305222-002A

Sample Information...
Type : Potable Water
Origin : Dist.
Routine

Federal ID 5111891
Collected : 5/8/03 8:35:00 AM
Received : 5/8/03 3:40:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 16029-002

Point No : 076-408
Location : B-640 Water Tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-CI G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03

Joann M. Slavin

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Federal ID 5111891

Collected : 5/8/03 8:45:00 AM

Received : 5/8/03 3:40:00 PM

Collected By : CLIENT

Copy : Original

CC

Lab No. : 0305222-003A

Client ID. : 16029-003

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

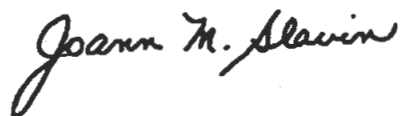
Point No : 045-12

Location : B-1005 RHIC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-C1 G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Lab No. : 0305222-004A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID 5111891

Client ID. : 16029-004

Collected : 5/8/03 9:05:00 AM

Point No : 109-19

Received : 5/8/03 3:40:00 PM

Location : B-363 Apt.Laundry

Collected By : CLIENT

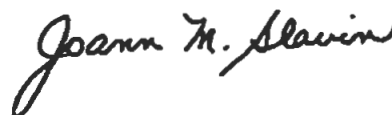
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-CI G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0305222-005A

Sample Information...
Type : Potable Water
Origin : Dist.
Routine

Federal ID 5111891

Client ID. : 16029-005

Collected : 5/8/03 8:55:00 AM

Point No : 054-187

Received : 5/8/03 3:40:00 PM

Location : B-930 LINAC

Collected By : CLIENT

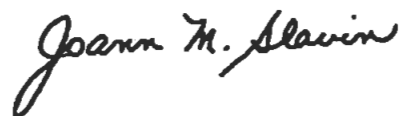
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0305222-006A

Sample Information...
Type : Potable Water
Origin : Dist.
Routine

Federal ID 5111891

Client ID. : 16029-006

Collected : 5/8/03 10:15:00 AM

Point No : 084-70

Received : 5/8/03 3:40:00 PM

Location : B-490 Outpatient Clinic

Collected By : CLIENT

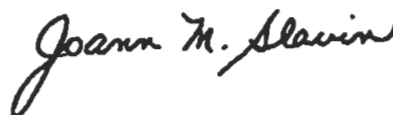
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-CI G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0305222-007A

Sample Information...
Type : Potable Water
Origin : Dist.
Routine

Federal ID 5111891

Client ID. : 16029-007

Collected : 5/8/03 10:30:00 AM

Point No : 084-67

Received : 5/8/03 3:40:00 PM

Location : B-490 Block 11

Collected By : CLIENT

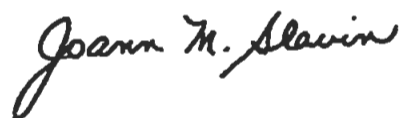
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	0.3	mg/L		M4500-CI G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0305222-008A

Sample Information...
Type : Potable Water
Origin : Dist.
Routine

Federal ID 5111891

Client ID. : 16029-008

Collected : 5/8/03 8:35:00 AM

Point No : 076-408

Received : 5/8/03 3:40:00 PM

Location : B-640 Water Tower

Collected By : CLIENT

Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	5/8/03 5:00:00 PM
E_Coliform	Absent		Absent	M9223	5/8/03 5:00:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	5/8/03

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/12/03

Joann M. Slavin

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**May 2003 Biweekly Water Quality Monitoring Data for
the BNL Potable Water Wells and the BNL Distribution System**

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
May 2003

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	5/1/03	7.6	56	239	NR	NR
WTP	5/6/03	7.7	56	149	NR	NR
WTP	5/8/03	7.4	56	256	NR	NR
WTP	5/13/03	7.5	58	188	NR	NR
WTP	5/15/03	7.4	54	181	NR	NR
WTP	5/20/03	7.3	55	225	NR	NR
WTP	5/22/03	7.4	57	275	NR	NR
WTP	5/27/03	7.8	55	150	NR	NR
WTP	5/29/03	7.4	57	246	NR	NR
Well 11	5/1/03	6.4	55	170	NR	NR
Well 11	5/6/03	6.8	55	176	NR	NR
Well 11	5/8/03	6.8	55	184	NR	NR
Well 11	5/13/03	6.4	56	234	NR	NR
Well 11	5/15/03	6.1	55	142	NR	NR
Well 11	5/20/03	6.6	55	240	NR	NR
Well 11	5/22/03	7.2	55	182	NR	NR
Well 11	5/27/03	6.5	55	156	NR	NR
Well 11	5/29/03	7.2	55	154	NR	NR
Well 12	5/1/03	6.8	56	240	NR	NR
Well 12	5/6/03	7.1	56	224	NR	NR
Well 12	5/8/03	7.4	56	256	NR	NR
Well 12	5/13/03	7.4	55	230	NR	NR
Well 12	5/15/03	6.9	55	156	NR	NR
Well 12	5/20/03	7.2	55	182	NR	NR
Well 12	5/22/03	7.5	55	245	NR	NR
Well 12	5/27/03	6.6	56	218	NR	NR
Well 12	5/29/03	7.2	55	152	NR	NR

NR - Analysis Not Required or Not Reported

WTP - Water Treatment Plant **Note:**

Field parameters are only conducted for facilities that are in operation on the day of measurement.

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2003 First and Second Quarter Radiological Reports for
the BNL Potable Water Wells**

ATTACHMENT III
Table 2
Brookhaven National Laboratory
Potable Water Supply

Summary of Radiological Results for the BNL Potable Water Wells 2003 First and Second Quarter Monitoring Results					
Well ID	Sample Date	Gross Alpha pCi/L	Gross Beta pCi/L	Tritium pCi/L	Sr-90
Well # 4	1/10/03	0.90	< 1.69	< 331	< 0.44
Well # 6	1/10/03	2.11	2.70	< 331	< 0.34
Well # 7	1/10/03	2.08	< 1.69	< 331	< 0.48
Well # 11	1/10/03	1.31	< 1.62	< 331	< 0.37
Well #12	1/10/03	2.16	2.41	< 331	< 0.20
Well #4 (Duplicate)	1/10/03	1.25	2.62	< 331	< 0.30
Well #12 Resampling	1/27/03	< 0.54	< 1.31	< 395	NS
Well # 4	4/23/03	< 0.55	< 1.98	< 363	< 0.44
Well # 6	4/23/03	0.78	< 1.98	< 363	< 0.49
Well # 7	4/23/03	1.75	< 1.98	< 363	< 0.64
Well # 11	4/23/03	0.85	< 1.98	< 363	< 0.48
Well #12	4/23/03	< 0.55	< 1.98	< 363	< 0.48
Well #11 (Duplicate)	4/23/03	< 0.46	< 1.31	< 363	< 0.60

NS – Not sampled for this parameter

ASL Prefix No.
23011006

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION
SAMPLING CHAIN OF CUSTODY

Chain of Custody No.
15853

No. of Pages: 1

Requires EDD
DOL

Carrier/Waybill #:
P.O. #:

Analysis Requested By		Sampling Contractor		Analytical Laboratory	
Name:	B Lee	Name:	ESD Field Sampling	Name:	ASL
Life No.:	20222	Contact:		Address:	
Acct. No.:	07089	Phone:		City:	St:
Email Reports to:		Email / Fax:		Contact:	Zip:
1.	B Lee	Sampler:	L Lettieri	Phone:	
2.				Email/Fax:	
Project Name		Project Manager			
Potables Wells		B Lee			

Sample Information										Container			Analysis Requested												
Type	L.I.D.	U.I.D.	Smp	Col	Site I.D.	909g.	Life #	Depth - RWP	Date	Time	Matrix	Description	Vol. / Units	Type	No.	Preservative	Alpha / Beta	Tritium	Gamma	Strontium	524.2	624	Nuclide Specific Alpha	PCBx	Metals
	01	001	e	G	055-401			92-137	01/10/03	1412	W	Well #12	4.25 L		2		X	X	X						
	02	002	e	G	056-400			93-142	01/10/03	1408	W	Well #11	4.25 L		2		X	X	X						
	03	003	e	G	093-400			98-150	01/10/03	1350	W	Well #6	4.25 L		2		X	X	X						
	04	004	e	G	092-400			99-150	01/10/03	1355	W	Well #7	4.25 L		2		X	X	X						
	05	005	e	G	BD-1				01/10/03		W	BD-1 - <i>Well #4 duplicate</i>	4.25 L		2		X	X	X						
	06	006	e	G	083-400			95-147	01/10/03	1340	W	Well #4	4.25 L		2		X	X	X						

1. Reinquished by / Date / Time		2. Reinquished by / Date / Time		3. Reinquished by / Date / Time	
Signature:	L Lettieri	Signature:		Signature:	
Date / Time:	01/10/03 1510	Date / Time:		Date / Time:	
1. Received by / Date / Time		2. Received by / Date / Time		3. Received by / Date / Time	
Signature:	P Heotis	Signature:		Signature:	
Date / Time:	01/10/03 1515	Date / Time:		Date / Time:	

Return to Client: _____ Disposal by lab: _____
Archive for _____ Months

Turn Around Time Required:
Rush 1 Day: _____ 14 Days _____ 30 Days _____
7 Days: _____ Other: _____ Days

23011006

BROOKHAVEN NATIONAL LABORATORY
 RADIOLOGICAL CONTROL DIVISION
 Analytical Services Laboratory

RADIOLOGICAL REPORT

Reviewed by: Robert R. Gaschott

1/27/03
 1/31/03
 2/19/03

SAMPLE I.D. NUMBER	ALPHA uCi/mL	ALPHA Error	BETA uCi/mL	BETA Error	TRITIUM uCi/mL	TRITIUM Error	MDL - uCi/mL		
							Alpha	Beta	Tritium
01	4.37E-08	2.33E-09	3.32E-08	2.05E-09	-9.05E-08	1.98E-07	6.82E-10	1.69E-09	3.31E-07
02	9.51E-09	1.13E-09	7.56E-09	1.31E-09	-2.70E-08	1.97E-07	6.82E-10	1.69E-09	3.31E-07
03	2.11E-09	6.12E-10	2.70E-09	1.11E-09	-5.76E-08	1.97E-07	6.82E-10	1.69E-09	3.31E-07
04	2.08E-09	6.08E-10	1.10E-09	1.04E-09	-7.81E-08	1.98E-07	6.82E-10	1.69E-09	3.31E-07
05	1.25E-09	5.25E-10	2.62E-09	1.11E-09	-4.92E-08	1.98E-07	6.82E-10	1.69E-09	3.31E-07
06	9.02E-10	4.84E-10	4.12E-10	1.01E-09	-2.55E-07	1.87E-07	6.82E-10	1.69E-09	3.31E-07
01t	2.16E-09	5.80E-10	2.41E-09	9.02E-10			5.35E-10	1.31E-09	
01tt	1.50E-09	5.06E-10	2.53E-09	9.08E-10			5.35E-10	1.31E-09	
02t	5.88E-10	3.47E-10	1.45E-09	1.02E-09			4.79E-10	1.62E-09	
02tt	1.31E-09	4.54E-10	1.10E-09	9.99E-10			4.79E-10	1.62E-09	

rected
to
counts
slow

initial
result

initial
result

ASL Prefix No.
23012704

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION
SAMPLING CHAIN OF CUSTODY

Chain of Custody No.
15901
No. of Pages: 1

Requires EDD DQL

Carrier/Waybill #: P.O. #:

Analysis Requested By		Sampling Contractor		Analytical Laboratory	
Name: B Lee		Name: ESD		Name: ASL	
Life No. 20222 Ext. 3148		Contact		Address:	
Acct. No. 07089 Dept. ES		Phone:		City:	
Email Reports to:		Email / Fax:		St:	
1. B Lee		Sampler: L Lettieri		Contact:	
2.				Phone:	
Project Name		Project Manager		Email/Fax:	
Potable Wells		B Lee		Field Engineer	

COMMENTS

RUSH - 1 DAY

Type		Sample Information						Container			Analysis Requested										
L.I.D.	U.I.D./Smp Cof	Site I.D. - Bldg. - Life #	Depth - RWP	Date	Time	Matrix	Description	Vol. / Units	Type	No.	Preservative	Alpha / Beta	Tritium	Gamma	Sr-90	Cs-137	Po-210	Plutonium	Uranium	Other	
01	e	G 056-401	92 - 137	1/27/2003	1415	W	Well #12	4.25 L		2		X	X	X							

1. Relinquished by / Date / Time			2. Relinquished by / Date / Time			3. Relinquished by / Date / Time		
Signature: L Lettieri	Signature:	Signature:	Signature: _____	Signature:	Signature:	Signature: _____	Signature:	Signature:
Date / Time: 1/27/2003 1425	Date / Time:	Date / Time:	Date / Time: _____	Date / Time:	Date / Time:	Date / Time: _____	Date / Time:	Date / Time:
1. Received by / Date / Time			2. Received by / Date / Time			3. Received by / Date / Time		
Signature: V Lettieri	Signature:	Signature:	Signature: _____	Signature:	Signature:	Signature: _____	Signature:	Signature:
Date / Time: 1/27/2003 1425	Date / Time:	Date / Time:	Date / Time: _____	Date / Time:	Date / Time:	Date / Time: _____	Date / Time:	Date / Time:

Contractor Lab Sample Disposal
Return to Client: _____ Disposal by lab: _____
Archive for _____ Months

Turn Around Time Required:
Rush 1 Day: 14 Days 30 Days
7 Days: _____ Other: _____ Days

Chain of Custody No.
16376

No. of Pages: 1

Carrier/Waybill #:
P.O. #:

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION
SAMPLING CHAIN OF CUSTODY

ASL Prefix No.
23042308

Requires EQD
DOL

Analysis Requested By		Sampling Contractor		Analytical Laboratory		Analysis Requested	
Name:	B Lee	Name:	EWMSD Field Sampling	Name:	ASL		
Life No.	20222	Contact		Address:			
Ext.	3148	Phone:		City:			
Dept.	ES	Email / Fax:		St:			
Email Reports to:		Sampler:	R Metz L Lettlen	Contact:			
1.	B Lee	Project Manager:	Carlee Ogeka	Phone:			
2.				Email/Fax:			
Project Name		Project Manager		Field Engineer			
Potable Wells							
COMMENTS							

L.I.D.	U.I.D./Smp Col	Type	Sample Information				Container		Alpha / Beta	Tritium	Gamma	Strontium	524.2	624	Nuclide Specific Alpha	PCBx	Metals																
			Site I.D. - Bldg. - Life #	Depth - RWP	Date	Time	Matrix	Description										Vol. / Units	Type	No.	Preservative												
01	e	G	Well 11	93-142	4/23/2003	1030		W	Ground Water	4.250 L		2																					
02	e	G	Well 12	92-137	4/23/2003	1040		W	Ground Water	4.250 L		2																					
03	e	G	Well 4	95-147	4/23/2003	1048		W	Ground Water	4.250 L		2																					
04	e	G	Well 6	98-150	4/23/2003	1100		W	Ground Water	4.250 L		2																					
05	e	G	BD-1 -- <i>Well #11 duplicate</i>		4/23/2003			W	Ground Water	4.250 L		2																					
06	e	G	Well 7	99-150	4/23/2003	1112		W	Ground Water	4.250 L		2																					

1. Relinquished by / Date / Time		2. Relinquished by / Date / Time		3. Relinquished by / Date / Time		Contractor Lab Sample Disposal	
Signature:	R Metz	Signature:		Signature:		Return to Client:	Disposal by lab: _____
Date / Time:	4/23/2003 1348	Date / Time:		Date / Time:		Archive for:	Months _____
1. Received by / Date / Time		2. Received by / Date / Time		3. Received by / Date / Time		Turn Around Time Required:	
Signature:	K M Clifford	Signature:		Signature:		Rush 1 Day:	14 Days _____ 30 Days X
Date / Time:	4/23/2003 1350	Date / Time:		Date / Time:		7 Days:	Other: _____ Days

BROOKHAVEN NATIONAL LABORATORY
 RADIOLOGICAL CONTROL DIVISION
 Analytical Services Laboratory

RADIOLOGICAL REPORT

Reviewed by: Robert R. Gaschott

5/5/03

5/27/03

SAMPLE I.D. NUMBER	ALPHA uCi/mL	ALPHA Error	BETA uCi/mL	BETA Error	TRITIUM uCi/mL	TRITIUM Error	MDL - uCi/mL		
							Alpha	Beta	Tritium
01	8.51E-10	4.15E-10	-1.08E-09	1.12E-09	-3.58E-08	2.48E-07	5.46E-10	1.98E-09	3.63E-07
02	2.65E-11	2.78E-10	-1.32E-09	1.11E-09	-1.68E-07	2.41E-07	5.46E-10	1.98E-09	3.63E-07
03	2.94E-11	2.78E-10	-1.83E-09	1.09E-09	5.74E-08	2.54E-07	5.46E-10	1.98E-09	3.63E-07
04	7.76E-10	4.02E-10	-1.14E-09	1.12E-09	-1.64E-07	2.34E-07	5.46E-10	1.98E-09	3.63E-07
05	4.79E-09	7.95E-10	-1.67E-09	1.09E-09	-1.10E-07	2.42E-07	5.46E-10	1.98E-09	3.63E-07
06	1.75E-09	5.21E-10	4.46E-10	1.18E-09	-1.86E-08	1.91E-07	5.46E-10	1.98E-09	2.76E-07
05t	-2.73E-13	2.18E-10	7.21E-10	8.01E-10			4.63E-10	1.31E-09	
05tt	2.85E-10	2.88E-10	1.10E-09	8.25E-10			4.63E-10	1.31E-09	

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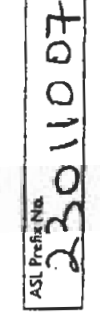
ASL Prefix No. **23011007**

Page 1 of 1

Carrier/Waybill # **15854**

Chain of Custody No. **15854**

Requires EDD DOL _____



SAMPLING CHAIN OF CUSTODY

Name: **B Lee** Name: **GEL**
 Title: **20222** Address: _____
 Access No: **07089** City: _____ State: _____ Zip: _____
 Email Reports To: _____ Contact: _____
 Sampler: **L. Lettieri** Phone: _____ Email/Fax: _____

Comments: **Potable wells 73303%**

UID	Tag	Site ID/Tag/Use #	Depth/WPT	Date	Time	W	Name/Description	Container/Label	Container/ID	Preservation	Alpha/Beta	Tritium	Gamma	Strontium (EPA 905)	5242	624	Nuclide-specific Alpha	PCBs	Metals
001	06	056-401	92-137	1/10/02	1412	W	well #12	4L	P	HEAD			X	X					
002	06	056-400	93-142	1/10/02	1408	W	well #11	4L	P	HEAD			X	X					
003	06	093-400	98-150	1/10/02	1350	W	well #6	4L	P	HEAD			X	X					
004	06	092-400	99-150	1/10/02	1355	W	well #7	4L	P	HEAD			X	X					
005	06	BP-1	-	1/10/02	-	W	BP-1	4L	P	HEAD			X	X					
006	06	083-400	95-147	1/10/02	1340	W	well #4	4L	P	HEAD			X	X					

NO LONGER USED
 BY: **NA** Date: **6-10-03**

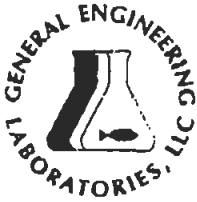
Contractor Lab Sample Disposal:
 Return to Client Disposal by Lab
 Archive For _____ Months

Data Package: Full Summary

Turn-Around Time Required:
 Rush (1 Day) 14 Days 30 Days
 7 Days Other ()

2. Relinquished By/Date/Time
 Print _____
 Signature _____
 Date/Time: **1/13/03 0600**

2. Received By/Date/Time
 Print _____
 Signature _____
 Date/Time: **1/14/03 0900**



GENERAL ENGINEERING LABORATORIES, LLC
 a Member of THE GEL GROUP, INC.
 Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: February 12, 2003

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 15854-006
 Sample ID: 73303006
 Matrix: Water
 Collect Date: 10-JAN-03 13:40
 Receive Date: 14-JAN-03 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 23011007/15854
 Samp Recv.: 23011007/15854
 Client Desc.: 083-400

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
GFPC, Sr90, liquid										
Strontium-90	U	0.147 +/-0.206	0.442	1.00	pCi/L		LAG1 01/31/03	2148	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Potable Well #4

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *[Signature]*



GENERAL ENGINEERING LABORATORIES, LLC

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Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: February 12, 2003

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID:	15854-005	Project:	BRKL00101
Sample ID:	73303005	Client ID:	BRKL002
Matrix:	Water	COC:	23011007/15854
Collect Date:	10-JAN-03 12:00	Sample Recv.:	23011007/15854
Receive Date:	14-JAN-03 09:00	Client Desc.:	BD-1
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Sr-90, liquid											
Strontium-90	U	0.175	+-0.153	0.301	1.00	pCi/L	LAG1	01/31/03	2148	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1.	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *M. M...*

*Potable Well #54^{MA} 10-03
Duplicate*



GENERAL ENGINEERING LABORATORIES, LLC

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Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Bell Avenue and Building 490
Upton, New York 11973

Report Date: February 12, 2003

Contact: Sal Scarpitta
Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 15854-003
Sample ID: 73303003
Matrix: Water
Collect Date: 10-JAN-03 13:50
Receive Date: 14-JAN-03 09:00
Collector: Client

Project: BRKL00101
Client ID: BRKL002
COC: 23011007/15854
Sampl Recv.: 23011007/15854
Client Desc.: 093-400

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
GFPC, Sr90, liquid										
Strontium-90	U	0.00763	+/-0.140	0.338	1.00	pCi/L	LAG1 01/31/03	2147	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Potable Well #6

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *M. M...*



GENERAL ENGINEERING LABORATORIES, LLC
 a Member of THE GEL GROUP, INC.
 Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: February 12, 2003

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 15854-004
 Sample ID: 73303004
 Matrix: Water
 Collect Date: 10-JAN-03 13:55
 Receive Date: 14-JAN-03 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 23011007/15854
 Samp Recv.: 23011007/15854
 Client Desc.: 092-400

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting											
<i>GFPC, Sr90, liquid</i>											
Sr-90	U	-0.133	+/-0.173	0.482	1.00	pCi/L	LAG1	01/31/03	2147	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL** Failed required detection limit.
- H** Holding time exceeded
- J** Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN** Presumptive evidence of the analyte at an estimated quantity.
- R** The data are unusable (radionuclide may or may not be present).
- U** Undetected; sample result < MDA
- UI** Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *[Signature]*

Re-table Well #7



GENERAL ENGINEERING LABORATORIES, LLC
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 Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: February 12, 2003

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 15854-002
 Sample ID: 73303002
 Matrix: Water
 Collect Date: 10-JAN-03 14:08
 Receive Date: 14-JAN-03 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 23011007/15854
 Samp Recv.: 23011007/15854
 Client Desc.: 056-400

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
<i>GFPC, Sr90, liquid</i>										
Strontium-90	U	0.270	+/-0.194	0.368	1.00	pCi/L	LAG1 01/31/03	2147	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Potable Well #11

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by _____

M. N. Davis



GENERAL ENGINEERING LABORATORIES, LLC

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Meeting Today's Needs with a Vision for Tomorrow

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Report Date: February 12, 2003

Page 1 of 1

Client Sample ID:	15854-001	Project:	BRKL00101
Sample ID:	73303001	Client ID:	BRKL002
Matrix:	Water	COC:	23011007/15854
Collect Date:	10-JAN-03 14:12	Samp Recv.:	23011007/15854
Receive Date:	14-JAN-03 09:00	Client Desc.:	056-401
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting											
<i>GFPC, Sr-90, liquid</i>											
Strontium-90	U	0.111 +/-0.102	0.201	1.00	pCi/L		LAG1	01/31/03	2146	229804	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

instable well #12

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *[Signature]*

BROOKHAVEN
NATIONAL LABORATORY

SAMPLING CHAIN OF CUSTODY

Analysis Requested By
Name: **B Lee**
Life No: **20222**
Acct. No: **07089**

Sampling Contractor
Name: **Evans Field Sampling**
Contact: **3100**
Phone: **ES**

Analytical Laboratory
Name: **G-EL**
Address:
City: Zip:
Contact:
Phone:
Email/Fax:

Sampler: **C. Hatcher / C. Ogata**
B Metz

Project Name: **Reptable wells**
78879

Project Manager: **B Lee**

Comments: **78879**

UID	Seq	Col	Site ID/Reg/Life #	Depth/RWP	Date	Time	Units	Name/Description	Conc./Vol/Units	Conc. Type	# of Cont.	Preservative
001	EG	well 11	93-142	4/23/03	1030	W	40	Ground water	40	P	1	HN03
002	EG	well 12	92-137	4/23/03	1040	W	40		40	P	1	HN03
003	EG	well 4	95-147	4/23/03	1048	W	40		40	P	1	HN03
004	EG	well 6	98-150	4/23/03	1100	W	40		40	P	1	HN03
005	EG	BD-1	-	4/23/03	-	W	40		40	P	1	HN03
006	EG	well 7	99-150	4/23/03	1112	W	40		40	P	1	HN03

Analysis Requested

Alpha/Beta	
Tritium	
Gamma	X
Sr-90 (90S)	X
524.2	X
624	X
Nucleide-specific Alpha	
PCBs	
Metals	

Contractor Lab Sample Disposal:
 Return to Client
 Archive For _____ Months
 Full
 Summary

Turn-Around Time Required:
 Rush (1 Day)
 7 Days
 14 Days
 30 Days
 Other ()

1 Relinquished By/Date/Time
 Print: **C. Hatcher** 4/23/03
 Signature: **C. Hatcher**
2 Received By/Date/Time
 Print: **J. Hatcher** 4/24/03
 Signature: **J. Hatcher**

2 Relinquished By/Date/Time
 Print: _____
 Signature: _____
3 Received By/Date/Time
 Print: _____
 Signature: _____

3 Relinquished By/Date/Time
 Print: _____
 Signature: _____

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : OER
Building 51
Upton, New York 11973-5000
Contact: Ms. Susan Young
Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID: 16377-003
Sample ID: 78879003
Matrix: Water
Collect Date: 23-APR-03 10:48
Receive Date: 24-APR-03 09:30
Collector: Client

Project: BRKL02000
Client ID: BRKL003
COC: 16377
Samp Recv.: 16377
Client Desc.: Well 4

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
GFPC, Sr90, liquid										
Strontium-90	U	0.236 +/-0.220	0.442	0.800	pCi/L	AB2	05/14/03	1045	249443	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:


The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by 

Portable Well #4

GENERAL ENGINEERING LABORATORIES, LLC
 2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : OER
 Building 51
 Upton, New York 11973--5000
 Contact: Ms. Susan Young
 Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID: 16377-004
 Sample ID: 78879004
 Matrix: Water
 Collect Date: 23-APR-03 11:00
 Receive Date: 24-APR-03 09:30
 Collector: Client

Project: BRKL02000
 Client ID: BRKL003
 COC: 16377
 Samp Recv.: 16377
 Client Desc.: Well 6

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Sr90, liquid Strontium-90	U	-0.0562	+/-0.222	0.494	0.800	pCi/L	AB2	05/14/03	1047	249443	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Rotable Well # 6

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *[Signature]*

GENERAL ENGINEERING LABORATORIES, LLC
 2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gei.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : OER
 Building 51
 Upton, New York 11973--5000
 Contact: Ms. Susan Young
 Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID: 16377-006
 Sample ID: 78879006
 Matrix: Water
 Collect Date: 23-APR-03 11:12
 Receive Date: 24-APR-03 09:30
 Collector: Client

Project: BRKL02000
 Client ID: BRKL003
 COC: 16377
 Samp Recv.: 16377
 Client Desc.: Well 7

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Sr90, liquid Strontium-90	U	-0.119	+/-0.286	0.635	0.800	pCi/L	AB2	05/14/03	1047	249443	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	Stable Well #7

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

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Reviewed by *V. Davis*

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : OER
Building 51
Upton, New York 11973--5000
Contact: Ms. Susan Young
Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID:	16377-001	Project:	BRKL02000
Sample ID:	78879001	Client ID:	BRKL003
Matrix:	Water	COC:	16377
Collect Date:	23-APR-03 10:30	Sampl Recv.:	16377
Receive Date:	24-APR-03 09:30	Client Desc.:	Well 11
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
<i>GFPC, Sr90, liquid</i>										
Srontium-90	U	0.327 +/-0.244	0.481	0.800	pCi/L	AB2	05/14/03	1045	249443	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Potable Well #11

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by

M. Moore

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 • (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : OER
 Building 51
 Upton, New York 11973--5000
 Contact: Ms. Susan Young
 Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID: 16377-005
 Sample ID: 78879005
 Matrix: Water
 Collect Date: 23-APR-03 12:00
 Receive Date: 24-APR-03 09:30
 Collector: Client

Project: BRKL02000
 Client ID: BRKL003
 COC: 16377
 Samp Recv.: 16377
 Client Desc.: BD-1

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
<i>GFPC, Sr90, liquid</i>										
Strontium-90	U	-0.0332	+/-0.275	0.601	0.800	pCi/L	AB2 05/14/03	1047	249443	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

*Potable Well #11
Duplicate*

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by *V. Davis*

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : OER
Building 51
Upton, New York 11973--5000
Contact: Ms. Susan Young
Project: Brookhaven ERD Contract

Report Date: May 23, 2003

Page 1 of 1

Client Sample ID: 16377-002
Sample ID: 78879002
Matrix: Water
Collect Date: 23-APR-03 10:40
Receive Date: 24-APR-03 09:30
Collector: Client

Project: BRKL02000
Client ID: BRKL003
COC: 16377
Samp Recv.: 16377
Client Desc.: Well 12

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow Proportional Counting										
GFPC, Sr90, liquid Strontium-90	U	0.153	+/-0.229	0.476	0.800	pCi/L	AB2	05/14/03	1045	249443 1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Potable Well #12

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by _____
V. Davis

ATTACHMENT IV

**Brookhaven National Laboratory
Potable Water Supply**

**2003 Second Quarter Principal Organic Compound Analyses
for the BNL Potable Water Wells**

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-008

Sample Information...
Type : Potable Water
Origin : Raw Well

Federal ID 5111891

Client ID. : 16027-008

Collected 4/3/2003 10:23:00 AM Point No 8
Received 4/3/2003 3:05:00 PM Location: Well #4 Raw

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Chloromethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/15/2003 10:07:28 PM
Bromomethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Chloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Chloroform	2.8	µg/L	50	E502.2	4/15/2003 10:07:28 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/15/2003 10:07:28 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/15/2003 10:07:28 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Bromoform	< 0.5	µg/L	50	E502.2	4/15/2003 10:07:28 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Laboratory Manager

BNLM134 S40

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-008

Sample Information...
Type : Potable Water
Origin: Raw Well

Federal ID 5111891

Client ID. : 16027-008

Collected 4/3/2003 10:23:00 AM Point No 8
Received 4/3/2003 3:05:00 PM Location: Well #4 Raw
Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Benzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Toluene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
o-Xylene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Styrene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/15/2003 10:07:28 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 10:07:28 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Joann M. Slavin

Laboratory Manager

BNLM134 S41

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-009

Sample Information...
Type : Potable Water
Origin: Raw Well

Federal ID 5111891

Client ID. : 16027-009

Collected 4/3/2003 10:35:00 AM

Point No 9

Received 4/3/2003 3:05:00 PM

Location: Well #6 Raw

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Chloromethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/15/2003 11:05:39 PM
Bromomethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Chloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Chloroform	5.6	µg/L	50	E502.2	4/15/2003 11:05:39 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/15/2003 11:05:39 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/15/2003 11:05:39 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Bromoform	< 0.5	µg/L	50	E502.2	4/15/2003 11:05:39 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Laboratory Manager

Joann M. Slavin

BNLM134 S43

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Lab No. : 0304131-009

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID 5111891

Client ID : 16027-009

Collected 4/3/2003 10:35:00 AM Point No 9

Received 4/3/2003 3:05:00 PM Location: Well #6 Raw

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Benzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Toluene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
o-Xylene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Styrene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/15/2003 11:05:39 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/15/2003 11:05:39 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Joann M. Slavin

Laboratory Manager

BNLM134 S44

H2M LABS, INC.575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 421-8436 NYSDOH ID # 10478**LABORATORY RESULTS**

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Lab No. : 0304131-010B

Client ID. : 16027-010

Federal ID 5111891

Collected : 4/3/03 10:50:00 AM

Received : 4/3/03 3:06:30 PM

Collected By : CLIENT

Copy : Original

CC

Point No : 10

Location : Well #7 Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/03 12:03:51 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Chloroform	1.0	µg/L	50	E502.2	4/16/03 12:03:51 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/16/03 12:03:51 AM
trans-1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
cis-1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/16/03 12:03:51 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/03 12:03:51 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/03

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.575 Broad Hollow Road, Melville, NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478**LABORATORY RESULTS**Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarplita

Lab No. : 0304131-010B

Sample Information...
Type : Potable Water
Origin : Raw Well
RoutineFederal ID : 5111891
Collected : 4/3/03 10:50:00 AM
Received : 4/3/03 3:05:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 16027-010

Point No : 10
Location : Well #7 Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	50	E502.2	4/16/03 12:03:51 AM
Methyl tert-butyl ether	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/03 12:03:51 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/03

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-011

Sample Information...
Type : Potable Water
Origin : Raw Well

Federal ID 5111891

Client ID. : 16027-011

Collected 4/3/2003 11:07:00 AM Point No 12
Received 4/3/2003 3:05:00 PM Location: Well #11 Raw

Collected By CLIENT

Copy : Original

CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/2003 1:02:01 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Chloroform	< 0.5	µg/L	50	E502.2	4/16/2003 1:02:01 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 1:02:01 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 1:02:01 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/2003 1:02:01 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

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Joann M. Slavin

Laboratory Manager

BNLM134 S49

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOHID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-011

Sample Information...
Type : Potable Water
Origin : Raw Well

Federal ID 5111891
Collected 4/3/2003 11:07:00 AM Point No 12
Received 4/3/2003 3:05:00 PM Location: Well #11 Raw
Collected By CLIENT
Copy : Original
CC

Client ID. : 16027-011

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/16/2003 1:02:01 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 1:02:01 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Joann M. Alavin

Laboratory Manager

BNLMI34 S50

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-014

Sample Information...
Type : Potable Water
Origin: Raw Well

Federal ID 5111891

Client ID. : 16027-014

Collected 4/3/2003 11:20:00 AM Point No 13
Received 4/3/2003 3:05:00 PM Location: Well #12 Raw

Collected By CLIENT

Copy : Original

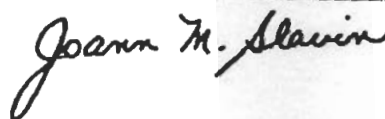
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/2003 2:57:59 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Chloroform	< 0.5	µg/L	50	E502.2	4/16/2003 2:57:59 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 2:57:59 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 2:57:59 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/2003 2:57:59 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Laboratory Manager



BNLMI34 S55

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYS DOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-014

Sample Information...
Type : Potable Water
Origin: Raw Well

Federal ID 5111891

Client ID. : 16027-014

Collected 4/3/2003 11:20:00 AM Point No 13
Received 4/3/2003 3:05:00 PM Location: Well #12 Raw

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/16/2003 2:57:59 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:57:59 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Page 12 of 16

Joanna M. Slavin

Laboratory Manager

BNLM134 S56

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-012

Sample Information...
Type : Potable Water
Origin: Treated Well

Federal ID 5111891

Client ID. : 16027-012

Collected 4/3/2003 11:27:00 AM Point No 20
Received 4/3/2003 3:05:00 PM Location: Well #11 Treated
Collected By CLIENT

Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/2003 2:00:04 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Chloroform	< 0.5	µg/L	50	E502.2	4/16/2003 2:00:04 AM
1,1,1-Trichloroethane	0.8	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 2:00:04 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 2:00:04 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/2003 2:00:04 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Joanna M. Slavin

Date Reported : 4/28/2003

Laboratory Manager

BNLM134 S52

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-012

Sample Information...
Type : Potable Water
Origin: Treated Well

Federal ID 5111891

Client ID. : 16027-012

Collected 4/3/2003 11:27:00 AM Point No 20
Received 4/3/2003 3:05:00 PM Location: Well #11 Treated

Collected By CLIENT

Copy : Original

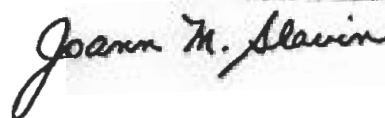
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/16/2003 2:00:04 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 2:00:04 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Laboratory Manager



BNLM134 S53

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
 (631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
 70 Bell Ave.
 Upton, NY 11973
 Attn To : S. Scarpitta

Lab No. : 0304131-015

Sample Information...
 Type : Potable Water
 Origin: Treated Well

Federal ID 5111891

Client ID. : 16027-015

Collected 4/3/2003 11:20:00 AM Point No 21
 Received 4/3/2003 3:05:00 PM Location: Well #12 Treated
 Collected By CLIENT
 Copy : Original
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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/2003 3:55:53 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Chloroform	< 0.5	µg/L	50	E502.2	4/16/2003 3:55:53 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 3:55:53 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	4/16/2003 3:55:53 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/2003 3:55:53 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM

Result(s) reported meet(s) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Joann M. Slavin

Date Reported : 4/28/2003

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab. -BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-015

Sample Information...
Type : Potable Water
Origin: Treated Well

Federal ID : 5111891

Client ID. : 16027-015

Collected : 4/3/2003 11:20:00 AM Point No 21
Received : 4/3/2003 3:05:00 PM Location: Well #12 Treated

Collected By CLIENT

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/16/2003 3:55:53 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 3:55:53 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Joann M. Slavin

Date Reported : 4/28/2003

Laboratory Manager

BNLM134 S59

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-019

Sample Information...
Type : Potable Water
Origin: Treated Well

Federal ID 5111891

Client ID. : 16027-019

Collected 4/3/2003 12:30:00 PM

Point No 22

Received 4/3/2003 3:05:00 PM

Location: Bldg. 624 WTP

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Chloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	4/16/2003 4:53:43 AM
Bromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Chloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Chloroform	0.5	µg/L	50	E502.2	4/16/2003 4:53:43 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Bromodichloromethane	0.8	µg/L	50	E502.2	4/16/2003 4:53:43 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Dibromochloromethane	0.6	µg/L	50	E502.2	4/16/2003 4:53:43 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Bromoform	< 0.5	µg/L	50	E502.2	4/16/2003 4:53:43 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Page 15 of 16

Joann M. Alavin

Laboratory Manager

BNLM134 S63

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436. NYS DOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0304131-019

Sample Information...
Type : Potable Water
Origin : Treated Well

Federal ID 5111891

Client ID. : 16027-019

Collected 4/3/2003 12:30:00 PM Point No 22
Received 4/3/2003 3:05:00 PM Location: Bldg. 624 WTP

Collected By CLIENT

Copy : Original

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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Benzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Toluene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
o-Xylene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Styrene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	4/16/2003 4:53:43 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	4/16/2003 4:53:43 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 4/28/2003

Joann M. Slavin

Laboratory Manager

BNLM134 S64

